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TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		ATTORNEY'S DOCKET NUMBER 4731-0107PUS1
INTERNATIONAL APPLICATION NO. PCT/JP03/08381	INTERNATIONAL FILING DATE 1 July 2003	U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 10/519941 NEW
TITLE OF INVENTION CARBON DIOXIDE EXTERNAL ADMINISTRATION DEVICE		PRIORITY DATE CLAIMED 1 July 2002
APPLICANT(S) FOR DO/EO/US Masaya TANAKA		

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a submission under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. 371.
3. ☒ This is an express request to begin national examination procedures (35 U.S.C. 371 (f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☐ The US has been elected (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371 (c)(2))
 - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
 - b. ☒ has been communicated by the International Bureau.
 - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☒ An English language translation of the International Application as filed (35 U.S.C. 371 (c)(2)).
 - a. ☒ is attached hereto.
 - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
 - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ have been communicated by the International Bureau.
 - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
 - d. ☒ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).

Items 11 to 20 below concern document(s) or information included:

11. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☒ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☒ A preliminary amendment.
14. ☐ An Application Data Sheet under 37 CFR 1.76.
15. ☐ A substitute specification.
16. ☐ A power of attorney and/or change of address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.
18. ☐ A second copy of the published International Application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20. ☒ Other items or information: PCT/IB/308; PCT/IB/301; PCT/ISA/210; Drawings - Seven (7) Sheets

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U.S. APPLICATION NO. (if known, see 37 CFR 1.5) 106519941		INTERNATIONAL APPLICATION NO. PCT/JP03/08381		ATTORNEY'S DOCKET NUMBER 4731-0107PUS1	
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21. The following fees are submitted:

	Applicant Use	Office Use Only														
<input checked="" type="checkbox"/> a) Basic national fee \$300.00	\$ 300.00															
<input checked="" type="checkbox"/> b) Examination fee \$200.00	\$ 200.00															
<input checked="" type="checkbox"/> c) Search fee \$500.00	\$ 500.00															
TOTAL OF ABOVE CALCULATIONS = \$1000.00	\$ 1,000.00															
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.																
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 20%;">Total Sheets</th> <th style="width: 20%;">Extra sheets</th> <th style="width: 40%;">Number of each additional 50 or fraction thereof (round up to a whole number)</th> <th style="width: 20%;">RATE</th> </tr> <tr> <td>47 - 100 =</td> <td>/50 =</td> <td></td> <td>x \$250.00</td> </tr> </table>	Total Sheets	Extra sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE	47 - 100 =	/50 =		x \$250.00								
Total Sheets	Extra sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE													
47 - 100 =	/50 =		x \$250.00													
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492 (e)).			\$													
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 20%;">CLAIMS</th> <th style="width: 20%;">NUMBER FILED</th> <th style="width: 20%;">NUMBER EXTRA</th> <th style="width: 20%;">RATE</th> </tr> <tr> <td>Total claims</td> <td>9 - 20 =</td> <td>x</td> <td>\$</td> </tr> <tr> <td>Independent claims</td> <td>1 - 3 =</td> <td>x</td> <td>\$</td> </tr> </table>			CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	Total claims	9 - 20 =	x	\$	Independent claims	1 - 3 =	x	\$		
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE													
Total claims	9 - 20 =	x	\$													
Independent claims	1 - 3 =	x	\$													
MULTIPLE DEPENDENT CLAIM(s) (if applicable) + 360.00			\$ 360.00													
TOTAL OF ABOVE CALCULATIONS =			\$ 1,360.00													
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.			\$													
SUBTOTAL =			\$ 1,360.00													
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492 (f)).			\$													
TOTAL NATIONAL FEE =			\$ 1,360.00													
Fee for recording the enclosed assignment (37 CFR 1.21 (h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property			\$ 40.00													
TOTAL FEES ENCLOSED =			\$ 1,400.00													
Amount to be refunded:			\$													
Amount to be charged:			\$													

a. ☒ A check in the amount of \$ 1,400.00 to cover the above fees is enclosed.

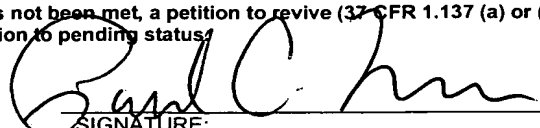
b. ☐ Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.

c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 02-2448. A duplicate copy of this sheet is enclosed.

d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:


 SIGNATURE: Andrew D. Meikle
 NAME: #43,368
 REGISTRATION NUMBER: 32,868

CUSTOMER NUMBER: 02292

December 29, 2004

/clb